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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/812,418	03/30/2004	Kerstin Mothes	543822005000	1266
25227	7590 02/06/2006		EXAMINER	
MORRISON & FOERSTER LLP			SMITH, BRADLEY	
1650 TYSON SUITE 300	IS BOULEVARD		ART UNIT	PAPER NUMBER
MCLEAN, V	A 22102		2891	
			DATE MAILED: 02/06/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	
	055 4 45 0	10/812,418	MOTHES ET AL.	
	Office Action Summary	Examiner	Art Unit	
		Bradley K. Smith	2891	
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address	
A SH WHI(- Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period ware to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
<i>′</i> —	Responsive to communication(s) filed on 22 No. This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro		
Dispositi	ion of Claims		•	
5)□ 6)⊠ 7)□ 8)□	Claim(s) 1-5 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw Claim(s) is/are allowed. Claim(s) 1-5 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or		- •	
Applicati	ion Papers			
10)⊠	The specification is objected to by the Examiner The drawing(s) filed on 30 March 2002 is/are: a Applicant may not request that any objection to the consequence of Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Examiner.	a)⊠ accepted or b)□ objected to drawing(s) be held in abeyance. See on is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).	
Priority u	ınder 35 U.S.C. § 119		· •	
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage	·
A44-al	Ma)			
2) Notic 3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4)	(PTO-413) Ite atent Application (PTO-152)	

Art Unit: 2891

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1- 5 are rejected under 35 U.S.C. 102(e) as being anticipated by Curtis et al. (US Patent 6,387,764). Curtis et al. disclose forming a mask on a substrate forming at least one trench in the substrate, selectively depositing a first insulation layer to at least partially fill the one trench in the substrate, with the insulation material in the presences of the mask, applying a second insulation material in order to fill the trench (see figure 1 column lines 45-57). With regards to claim 2 Curtis et al. disclose the substrate is silicon and the mask silicon nitride and the first and second are made of silicon oxide. With respect to claim 3, Curtis et al. disclose compacting (or densifying) the thermal oxide liner (see column 8 lines 22-50). With regards to claim 4, Curtis disclose the use of high density plasma to deposit the second insulation layer (see column 2 lines 10-20). With regards to claim 5, Curtis et al. disclose planarizing the dielectric (typically CMP is used to planarize) and Curtis disclose using CMP (see column 15 lines 23-36).

Response to Arguments

Applicant's arguments with respect to claims 1-5 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bradley K. Smith whose telephone number is 571-272-1884. The examiner can normally be reached on 10-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Bradley K Smith Primary Examiner

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